

Page 1 of 1

All amounts are calculated in domestic currency.

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO34692	10		M6061T6B1.000X16. f 000	f	1/6/2017	1/6/2017	36.0000	\$38.73	0.0000	0	\$1,394.27
CAD	No		6061-T6 Bar 1.00 x 16.00	f	36.0000	PLOU01		\$1,394.27	0.0000	0	
			m136396								
	14		M7075T73R1.000	f	1/6/2017	1/6/2017	12.0000	\$7.76	0.0000	0	\$93.10
	No		7075-T73 Rd Bar 1.00 f m136396	f	12.0000	PLOU01		\$93.10	0.0000	0	
			m136396								
	15		M174PH- H1150R1.000	f	1/6/2017	1/6/2017	12.0000	\$10.61	0.0000	0	\$127.36
	No		17-4 SS H1150 ROUND BAR 1.000	f	12.0000	PLOU01		\$127.36	0.0000	0	
			m136396								
	16		71401-45		1/6/2017	1/6/2017	1.0000	\$0.00	0.0000	0	\$0.00
	No		procurement quality clauses		1.0000	PLOU01		\$0.00	0.0000	0	
			m136396								
Total Received Quantity:											61.0000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$1,614.73
Total Balance Due Quantity:											0.0000

B I L L O F L A D I N G

No: PEC 24542

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 06Jan17 at 12:56 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC- 503- 1 Your PO # 34692
ALUMINUM FLT BAR ECONOPLT 6061-T6511
1.00" X 16.00" X 144.0000"

Heat Number 22275139 Tag No 604269

Quantity 36 FT PCS 3 Wt LBS 699

2) Our Order PEC- 503- 2 Your PO # 34692
ALUMINUM ROUND BAR 7075T7351
1.00" DIA X 144.0000"

Heat Number MA20160708 Tag No 604270

Quantity 12 FT PCS 1 Wt LBS 11

3) Our Order PEC- 503- 3 Your PO # 34692
STAINLESS STEEL ROUND BAR 17-4 H1150
1.00" DIA X 144.0000"

Heat Number 751050 Tag No 604271

Quantity 12 FT PCS 1 Wt LBS 32

TOTAL: Tags 3 PCS 5 LBS 742

Heat Number 22275139 *** Chemical Analysis ***

***** ADD ON TO 386 SUR-CHARGE ADDED *****

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT

Page: 1Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G
Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 24542
Ship Date 06Jan17 at 12:56 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

=====

B I L L O F L A D I N G
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 2 BDLS 1 TUBE GW 806 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

***UNE SURCHARGE D'ENERGIE DE \$25.00
SERA AJOUTEE A CHAQUE COMMANDE.***
***POUR VOS BESOINS D'ACIER INOXYDABLE,
CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

Page: 2 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.



Sapa Industrial Extrusions
53 POTTSVILLE STREET
CRESSONA, PA
17929-0187

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Certified Inspection Report

Sales Order Number	Line No.	Customer P/O	Cert Number	Page
1100966984	3	5400275193-30	SAPA2304994	1 of 2
			Cert Creation Date	Cert Print Date
			05-OCT-15	05-OCT-15

Invoice To Customer

COPPER & BRASS SALES INC
ATTN: ACCOUNTS PAYABLE
P.O. BOX 5116

SOUTHFIELD, MI - 48086

Ship To Customer

COPPER & BRASS SALES INC
8001 THYSSENKRUPP PARKWAY

NORTHWOOD, OH - 43619

Quantity Shipped	Date Shipped	Item Description	Specification
4400 LB	05-OCT-15	ACC-U-LINE Extruded ACC-U- PLATE	ASTMB221 REV 14 ASMESB221 REV 09 AMS-QQ-A-200/8 REV 1997 RA 2012 IS-AUP REV
B/L	Item No.	1,000 TK x 16,000 W TK TOL +.038/-.000 W TOL +.208/-.000 SECT 515175 144 IN LN FIN M-MILL W/F 19,298 F 2 CS 16.1 6061/T6511 Marking CONTINUOUS	
677401	Item No. Rev		
Delivery Id	Item No.		
4710098			
Customer Part No.			
ALREC01030			

Applicable Specifications, Revisions and Exceptions

ACC-U-PLATE

Acc-U-Plate(TM) product greater than 0.375" thick in 6061 T6/T6511 alloy temper meets 6061-T651 tensile strength, yield strength, and elongation minimums of rolled plate produced per AMS-QQ-A-250/11 and ASTM B 209.

COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Signature And Title

Michael D. Hammer

Mike Hammer

Cressona Plant Manager

05-OCT-15

Legal Statement

We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	LOM	Weight	
				Gross	Net
G12-PKG2569084	22275139	5	PCS	1164	1158
G12-PKG2569095	22275139	5	PCS	1164	1158
G12-PKG2569095	22275139	--	--	--	--
G12-PKG2569099	22275139	5	PCS	1164	1158
G12-PKG2569100	22275139	4	PCS	932	927
G12-PKG2569100	22275139	--	--	--	--

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS CA LTD Del.: 2404944548

CST# 280119

Wgt.: 699 LB

Date 12/20/2016

Thomas



Sapa Industrial Extrusions
53 POTTSVILLE STREET
CRESSONA, PA
17929-0187

Certified Inspection Report

Sales Order Number	Line No.	Customer P/O	Cert Number	Page
1100966984	3	5400275193-30	SAPA2304994 Cert Creation Date 05-OCT-15	2 of 2 Cert Print Date 05-OCT-15

Composition Limits

Alloy	Si		Fe		Cu		Mn		Mg		Cr		Zn	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	0.40	0.80	---	0.70	0.15	0.40	---	0.15	0.80	1.20	0.04	0.35	---	0.25
Alloy	Ti		Others Each		Others Total									
6061	---	0.15	---	0.05	---	0.15								

Composition Results

Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
4036669	0.66	0.23	0.20	0.03	0.93	0.05	0.03	0.02	--	--

Mechanical Property - Test Limits

Test Type		UTS - L		TYS - L		EL 4D-Long		
UOM		KSI		KSI		PCT		
# of Test		--		--		--		
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511S8	22275139	1	44.2	44.2	41.9	41.9	15.8	15.8

Cert Notes

Products manufactured with a T6511 temper also meet T6 temper requirements.
Yield strength has been determined by the 0.2% offset method
All mill finish alloys produced at Sapa Industrial Extrusions comply with Directive 2011/65/EU (RoHS 2) with the exception of 6262 alloy
In accordance with EN 10204 Inspection Certificate Type 3.1
Melted in the USA or "Qualifying Countries" (as defined in Defense Federal Acquisition Regulation Supplement (DFARS) Section 225.872-1)
Manufactured in the United States

From: ThyssenKrupp Materials NA
Cust. THYSSENKRUPP MATERIALS CA LTD Del.: 2404944548
CstAr CstOr 280119
Wgt.: 699 LB Date 12/20/2016

Thomas A. ...

Certified Inspection Report

06/01/16
11:28:32

Alcoa Inc.
Massena Operations
Park Avenue East, Massena, NY 13662



Customer
Copper Brass Sales
Customer P.O. No. **5400299640**

Customer Part No. **(ALRD00054)**
Alcoa Order No. **MMC-B9103-050**
Govt. Contract No.

Ship To **Copper Brass Sales**
800 Arlington Blvd. Suite
Swedesboro, NJ 08085

We hereby certify that the material covered in this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, or as previously agreed to with customer and that samples representative of the material met the composition limits and have the mechanical properties shown on the face of this sheet. Manufactured under a quality management system registered to ISO/TS 16949 and AS9100. Melled and manufactured in the USA.

Joseph M. Vierno, Quality Manager

Date Shipped **05/31/16** Weight Shipped **1,830 lbs** Product **CFRB-CF ROD** Specific Length **BOL 000163931**
Alloy - Temper **7075-T7351** Size **1.00000 IN** Shape **DIA** Config **12 FT** ORR

AMS4124E
ASTM B211-12E1
AMS-QQA-225/9A
QA-225/9E
Material conforms to T73 reqts

TEST REQUIREMENTS		Test	Test	Test	Test	Test	Test	Test	Test	Test	Test
		U.T.S.	T.Y.S.	%Elong	Cond						
Max:			67.9								
Min:		68.0	56.0	10.0	38.0						

Test Results		No. of Tests	Test	Test	Test	Test	Test	Test	Test	Test	Test
			U.T.S.	T.Y.S.	%Elong	Cond					
Lot/Mark Order			75.4	64.6	15.0	39.4					
MA20160708	3	Max:		63.9	15.0	39.3					
		Min:	74.9								

When 2 or more tests per lot are made, the highest and lowest values are reported.
Analysis obtained from one or more samples in this lot.

TEST ABBREVIATIONS		U.T.S.	T.Y.S.	%Elong	%AL
Ultimate Tensile Strength KSI					
Conductivity % IACS					
Aluminum Association Chemical Composition Limits (in Weight %)					

ALLOY 7075		%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%Others	%AL
MAX		0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.15
MIN				1.2		2.1	0.18	5.1		Each	Total

LOTWORK ORDER MA20160708		%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%OE	%OT	%AL
MAX		0.06	0.14	1.6	0.01	2.5	0.20	5.8	0.03	LT 0.05	LT 0.15	Rem
MIN		0.05	0.13	1.5	0.01	2.5	0.20	5.6	0.03			

NOTES:

Material compliant with DEARS 252-225-7001 (Buy American Act)
Mercury is not a normal contaminant in aluminum alloys and neither is any of its compounds are used in the manufacture of our product.
This alloy meets the requirements of EU 2011/65/EC (RoHS) and EU 2000/53/EC for lead, mercury, cadmium and hexavalent chromium.

From: ThyssenKrupp Materials NA
Cust. THYSSENKRUPP MATERIALS CA LTD Del.: 2404944544
CstOr 280119
Wgt.: 11.438 LB Date 12/20/2016

Page 1
Tomasz Szwed

CERTIFICATE OF TESTS

001037875

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

**CARPENTER**Carpenter Technology Corporation
P.O. Box 14662, Reading, PA 19612-4662

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2016-10-12

CUSTOMER / BESTELLER / CLIENT

SELLER / VERKÄUFER / VENDEUR

Page - 1

CUSTOMER ORDER NO./BESTELL - NR./N° DE COMMANDE	CARPENTER NO./WERKS - NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
5400316085-R02-0060	W94144 W94144	2016-10-12	1979.0

HEAT NUMBER / SCHMELZE-NR./N° DE COULEE:

751050

PRODUCT DESCRIPTION: TYPE 17-4 SOLUTION ANNEALED AGED COLD FINISH CONDITION

H1150

PART NUMBER: SSRD01223

SPECIFICATION: ASTM-A564-13 COND H1150

AMS 5643 MODIFIED COND (H1150) REV T (12/01/13)

AMS-H-6875B (11/ /10)

ASTM-F899-12B

SIZE 1.000000 IN. (25.40 MM) RD BAR

HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM)	MN (XRF)	SI (XRF)	P (XRF)	S (COM)	CR (XRF)
0.03	0.87	0.41	0.020	0.025	15.30
NI (XRF)	MO (XRF)	CU (XRF)	N (FUS)	CB (XRF)	TA (XRF)
4.33	0.12	3.62	0.029	0.26	LT .02

CB+TA
0.28

THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES

DISCS MACROETCHED AND APPROVED

HARDNESS AS SHIPPED 319HBW (34HRC)

(T)RANSVERSE (L)ONGITUDINAL	L
YIELD STRENGTH, (0.20 %) KSI (MPA)	138.0 (951)
TENSILE STRENGTH, KSI (MPA)	145.0 (1000)
ELONGATION IN 2.00", %	18.0
REDUCTION OF AREA, %	62.0

MICROSTRUCTURE - FERRITE LESS THAN 5.00%

MATERIAL HAS BEEN MELTED AND MANUFACTURED IN THE USA WHICH IS A QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1, SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.

CONTINUED ON NEXT PAGE

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From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS CA LTD

Del.: 2404945158

CstAr

CstOr 280119

Wgt.: 31.919 LB

Date 12/20/2016

CERTIFICATE OF TESTS

001037875



CARPENTER

Carpenter Technology Corporation
P.O. Box 14662, Reading, PA 19612-4662

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

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2016-10-12

CUSTOMER / BESTELLER / CLIENT

SELLER / VERKÄUFER / VENDEUR

Page - 2

CUSTOMER ORDER NO./BESTELL - NR./N° DE COMMANDE	CARPENTER NO./WERKS - NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
5400316085-R02-0060	W94144 W94144	2016-10-12	1979.0

HEAT NUMBER / SCHMELZE-NR./N° DE COULEE: 751050

THIS ORDER WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS OPERATIONS QUALITY PROGRAM MANUAL, REVISION 34 DATED 11/18/15.

CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF NOVEMBER 24, 2013 TO THE REQUIREMENTS OF ISO 9001:2008 APPROVAL CERTIFICATE 13-1996R BY PERFORMANCE REVIEW INSTITUTE. THIS CERTIFICATE OF TEST IS TYPE 3.1 PREPARED IN ACCORDANCE WITH EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS, AS DOCUMENTED IN THIS CERTIFICATE OF TESTS.

TEST METHODS ARE PER THE ASTM STANDARDS ON FILE AND IN EFFECT AT TIME OF ORDER ACCEPTANCE, STANDARD PRACTICES, OR AS AGREED UPON BETWEEN CARPENTER CUSTOMER.

STEPHANIE E. MCCULLUM
QUALITY ASSURANCE ENGINEER
CARPENTER TECHNOLOGY CORPORATION

Stephanie E. McCullum

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From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS CA LTD

Del.: 2404945158

CstAr

CstOr 280119

Wgt.: 31.919 LB

Date 12/20/2016

Tomas Sanchez

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M16061T6B1.000X16.000

PO / BATCH NO.: PO 34692 / B136396

DATE: 17/01/06

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 1.00

QUANTITY RECEIVED: _____

THICKNESS RECEIVED: 1.032

QUANTITY INSPECTED: _____

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	<u>6061 T6</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	<u>1.00</u>
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	<u>AMS-AG-A-200/8</u>
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	<u>Heat # 22275139</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	<u>M16061T6B1.000X16.000</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	<u>M136396</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>48</u>	<u>18</u>	SIGNED OFF BY: _____	
DATE: <u>9-89</u>	<u>9-89</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075 T73 R1.000
 DATE: 17/01/09

PO / BATCH NO: 34692/136396

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.00
 THICKNESS RECEIVED: 1.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	7075 T73
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1.00
PHOTO REQUIRED	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	AMS-QQ-A-225/9
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	HEAT# MA20160708
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	M7075 T73 R1.00
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	M136396
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 14 9-89</u> DATE: <u>17/01/09</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M174PH-H1150 R1.00

PO / BATCH NO.: 34692/136396

DATE: 17/01/09

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 17.45
 QUANTITY INSPECTED: 11.45
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.00
 THICKNESS RECEIVED: 1.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	<u>17-4 PH-H1150</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	<u>1.00</u>
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	<u>AMS 5643</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	<u>HEAT# 751050</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	<u>M174PH-H1150 R1.00</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	<u>M136396</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. . RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>PD</u>	SIGNED OFF BY: _____		
DATE: <u>17-01-26</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34692

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 1 of 7

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

DEC 19 2016

Contact Name

Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	✓ M303B1.000X1.000	303 BAR 1" X 1" ✓	12/23/2016 Yes 12/23/2016		12.69 f 12,025.00 recu	\$16.95	\$215.00

MATERIAL: AISI 303 SS BAR AS PER ASTM A582
NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$215.00

2	✓ M303R0.750	303 Round Bar 0.750 ✓	12/23/2016 Yes 12/23/2016		36.00 f	\$3.80	\$136.80
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MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582
NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$136.80

PO Instructions: quotation no pec st-999626

Note:

12/19/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34692

Purchase Order Date 12/19/2016
PO Print Date 12/19/2016

Page Number 2 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

3 M303R2.000 303 ROUND BAR 2" 12/23/2016
Yes
12/23/2016

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582
NOTE: AISI 304/316 NOT ACCEPTABLE

24.00 f \$21.15 \$507.60

recu 12 F.
recu 12.500/16-12-22

Line Total: \$507.60

4 M304R0.4375 304 ROUND BAR 0.4375 12/23/2016
Yes
12/23/2016

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276
(NOTE: AISI 303 NOT ACCEPTABLE)

12.00 f \$4.38 \$52.50

Line Total: \$52.50

5 M304S14GA 304SS sheet .080 12/23/2016
Yes
12/23/2016

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

32.00 sf \$5.87 \$187.81

Sp16-12-21

PO Instructions: quotation no pec st-999626

Note:

12/19/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
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Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34692**

Purchase Order Date 12/19/2016
PO Print Date 12/19/2016

Page Number 3 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

6	M6061T6B0.500X02.500	6061-T6 Bar .500 x 2.50	12/23/2016 Yes 12/23/2016	12.00 f	Line Total:	\$187.81
						\$4.50
						\$54.03

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

7	M6061T6B0.750X00.750	6061-T6 Bar .750 x .750	12/23/2016 Yes 12/23/2016	24.00 f	Line Total:	\$54.03
						\$2.54
						\$60.96

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Sp/16-12-21

PO Instructions: quotation no pec st-999626

Note:

12/19/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34692

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 4 of 7

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

8 M6061T6B0.750X02.000 6061-T6 Bar .750 x 2.00 12/23/2016
Yes
12/23/2016

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

12.00 f \$5.50 \$66.04

Sp/6-12-21

9 M6061T6B0.750X06.000 6061T6 BAR .750 X 6.00 12/23/2016
Yes
12/23/2016

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

12.00 f \$13.13 \$157.50

Sp/6-12-21

10 M6061T6B1.000X16.000 6061-T6 Bar 1.00 x 16.00 12/23/2016
Yes
12/23/2016

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

36.00 f \$52.00 \$1,872.00

Sp/7-01-6

PO Instructions: quotation no pec st-999626

Note:

12/19/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34692

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 5 of 7

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

Line Total: \$1,872.00

11 M6061T6B2.500X01.500 6061-T6 Bar 2.50 x 1.50 12/23/2016
Yes
12/23/2016

12.00
f

\$11.04

\$132.50

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Sp/6-12-21

Line Total: \$132.50

12 M6061T6R0.625 6061-T6 Round Bar .625" 12/23/2016
Yes
12/23/2016

24.00
f

\$2.42

\$58.00

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Sp/6-12-21

Line Total: \$58.00

PO Instructions: quotation no pec st-999626

Note:

12/19/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34692

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 6 of 7

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

13 M6061T6R0.750 6061-T6 Round Bar .750" 12/23/2016
Yes
12/23/2016

24.00 f \$2.45 \$58.80

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

SP/6-12-21

Line Total: \$58.80

14 M7075T73R1.000 7075-T73 Rd Bar 1.00" 12/23/2016
Yes
12/23/2016

12.00 f \$10.42 \$125.00

MATERIAL: 7075-T73 OR 7075-T7351/T73510/T73511 ROUND BAR
AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9

Line Total: \$125.00

15 M174PH-H1150R1.000 17-4 SS H1150 ROUND BAR 1.000 12/23/2016
Yes
12/23/2016

12.00 f \$14.25 \$171.00

MATERIAL: 17-4 PH CONDITION H1150
GRAIN MUST BE ALONG LENGTH OF BAR

SP 17-01-6

PO Instructions: quotation no pec st-999626

Note:

12/19/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34692**

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 7 of 7

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

Line Total: \$171.00

16	71401-45	procurement quality clauses	12/23/2016	1.00	\$0.00	\$0.00
			No			
			12/23/2016			

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality document

Line Total: \$0.00

PO Total: \$3,855.54

PO Instructions: quotation no pec st-999626

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 12/19/2016